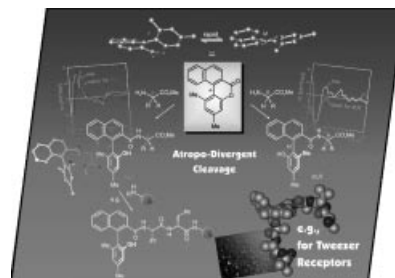


Earliest available Table of Contents:
 Automatically, free of charge by e-mail through
www.interscience.wiley.com/alerts

COVER PICTURE

The cover picture shows the efficient synthesis of axially chiral biaryl systems by highly atroposelective ring cleavage of configurationally unstable lactone-bridged biaryls with amino acid esters as chiral N nucleophiles. The absolute stereostructures of the products were determined by quantum chemical CD calculations and confirmed by X-ray diffraction analysis. The chiral biaryl product with the desired axial configuration will be used for generating novel solid-phase supported chiral tweezer receptors for the stereoselective binding of peptides in aqueous solvents. Details are discussed in the article by G. Bringmann et al. on p. 4349 ff.



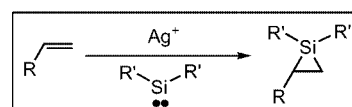
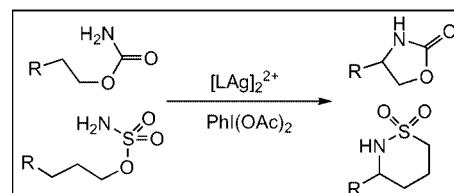
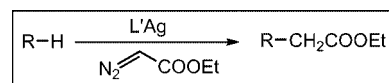
MICROREVIEW

Contents

4313 Z. Li, C. He*

Recent Advances in Silver-Catalyzed Nitrene, Carbene, and Silylene-Transfer Reactions

Keywords: Silver / Oxidation / Nitrene transfer / Carbene transfer / Silylene transfer / Homogeneous catalysis



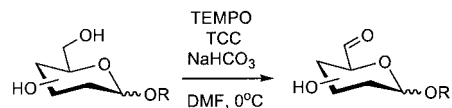
SHORT COMMUNICATIONS

- 4323** M. Angelin, M. Hermansson, H. Dong,
O. Ramström*



Direct, Mild, and Selective Synthesis of Unprotected Dialdo-Glycosides

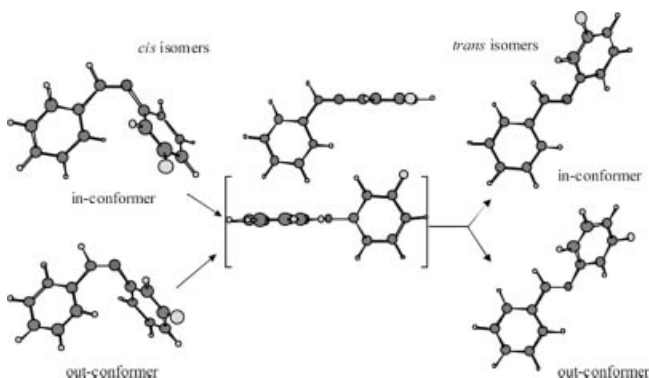
Keywords: Glycosides / Oxidation / Catalysis / Solid-phase / Imine capture



- 4327** S. C. Ammal, H. Yamataka*

Computation Revealed a Case Where Kinetic Selectivity is Controlled by Dynamics: Isomerization of Benzyldeneanilines

Keywords: Isomerization / Transition state / Molecular dynamics / Reaction mechanism / Selectivity

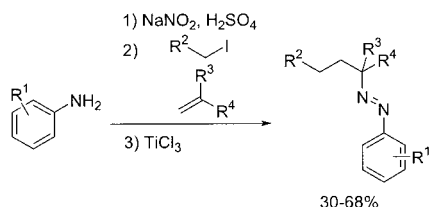


- 4331** O. Blank, M. R. Heinrich*



Carbodiazenylation of Olefins by Radical Iodine Transfer and Addition to Arenediazonium Salts

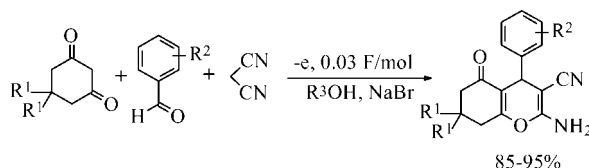
Keywords: Anilines / Arenediazonium ions / Aryl radicals / Carbodiazenylation / Iodine transfer



- 4335** M. N. Elinson,* A. S. Dorofeev,
S. K. Feducovich, S. V. Gorbunov,
R. F. Nasybullin, F. M. Miloserdov,
G. I. Nikishin

The Implication of Electrocatalysis in MCR Strategy: Electrocatalytic Multicomponent Transformation of Cyclic 1,3-Diketones, Aldehydes and Malononitrile into Substituted 5,6,7,8-Tetrahydro-4*H*-Chromenes

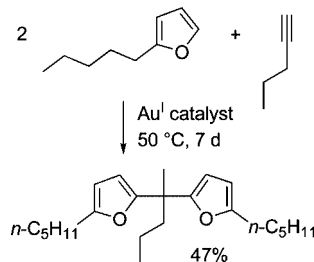
Keywords: Oxygen heterocycles / Electrochemistry / Homogeneous catalysis / Multicomponent reactions / Cyclization



- 4340** A. S. K. Hashmi,* M. C. Blanco

Gold Catalysis: Observation of a Two-Fold Intermolecular Hydroarylation of Unactivated C–C Triple Bonds

Keywords: Alkynes / Furans / Gold / Homogeneous catalysis / Hydroarylation

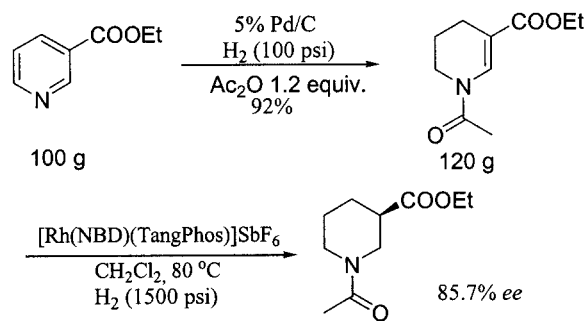


4343 A. Lei,* M. Chen, M. He, X. Zhang*



Asymmetric Hydrogenation of Pyridines: Enantioselective Synthesis of Nipecotic Acid Derivatives

Keywords: Enantioselectivity / Hydrogenation / Homogeneous Catalysis / Rh / Pyridine

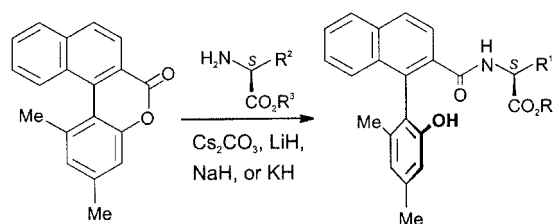


FULL PAPERS

4349 G. Bringmann,* H. Scharl, K. Maksimenka, K. Radacki, H. Braunschweig, P. Wich, C. Schmuck

Atropodistereoselective Cleavage of Configurationally Unstable Biaryl Lactones with Amino Acid Esters

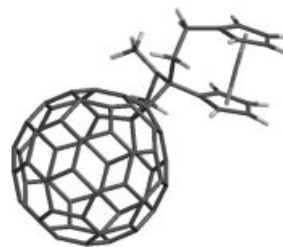
Keywords: Asymmetric synthesis / Atroposelective lactone cleavage / Axial chirality / Biaryls



4362 F. Caporossi, B. Floris, P. Galloni,* E. Gatto,* M. Venanzi

Enhanced Electron Transfer Rate in a Rigid Ferrocene–Fulleropyrrolidine Dyad

Keywords: Ferrocene / Fullerene / Electron transfer / Donor-acceptor system / Dyads

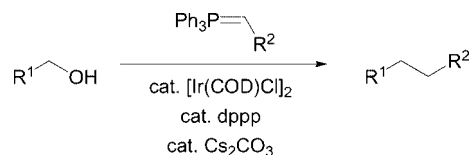


4367 P. J. Black, M. G. Edwards, J. M. J. Williams*



Borrowing Hydrogen: Indirect “Wittig” Olefination for the Formation of C–C Bonds from Alcohols

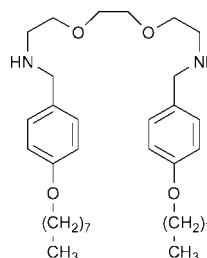
Keywords: Domino reactions / Dehydrogenation / Iridium / Transfer hydrogenation / Wittig reactions



4379 N. Spreti, L. Brinchi, R. Germani, M. V. Mancini, G. Savelli*

Quantitative Removal of Mercury(II) from Water Through Bulk Liquid Membranes by Lipophilic Polyamines

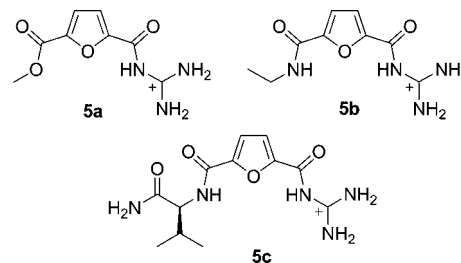
Keywords: Bulk liquid membranes / Heavy metal ions / Lipophilic polyamines / Carrier-mediated transports / Carrier recycle



4385 C. Schmuck,* U. Machon

2-(Guanidiniocarbonyl)furans as a New Class of Potential Anion Hosts: Synthesis and First Binding Studies

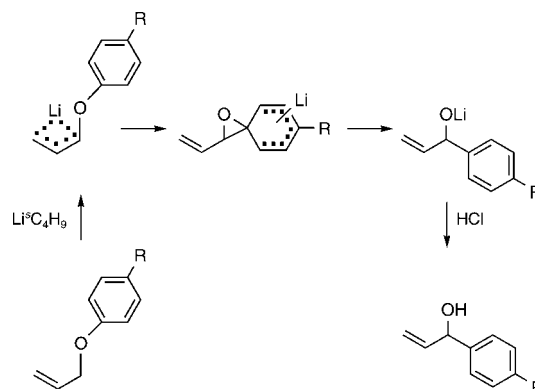
Keywords: Furans / Guanidinium cations / Molecular recognition / Supramolecular chemistry



4393 S. Strunk, M. Schlosser*

Wittig Rearrangement of Lithiated Allyl Aryl Ethers: A Mechanistic Study

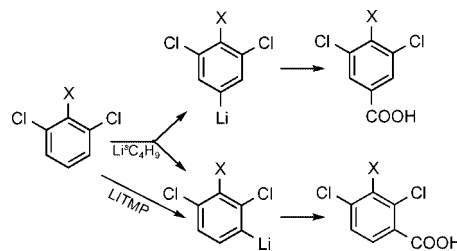
Keywords: Allyl ethers / Intramolecular nucleophilic substitution / Metalation / Reaction mechanisms / Wittig rearrangement



4398 M. Schlosser,* C. Heiss, E. Marzi, R. Scopelliti

Proton Mobility in 2-Substituted 1,3-Dichlorobenzenes: “ortho” or “meta” Metalation?

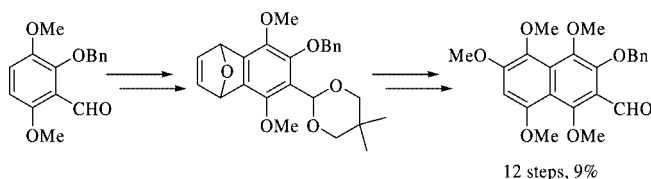
Keywords: Buttressing effects / Kinetic CH acidities / Metalation / Regioselectivity / Steric repulsion



4405 S. Sörgel, C. Azap, H.-U. Reißig*

Preparation of Highly Alkoxy-Substituted Naphthaldehyde Derivatives – A Regioselective Approach to Building Blocks for the Synthesis of Rubromycins

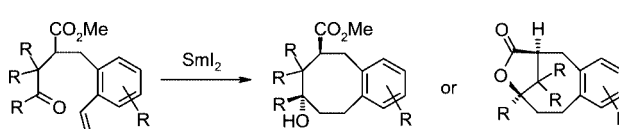
Keywords: Naphthaldehydes / Arynes / Cycloaddition / Oxidation / Boronic acids



4419 H.-U. Reißig,* F. A. Khan, R. Czerwonka, C. U. Dinesh, A. L. Shaikh, R. Zimmer

Benzannulated Cyclooctanol Derivatives by Samarium Diodide Induced Intramolecular Carbonyl–Alkene Coupling – Scope, Limitations, Stereoselectivity

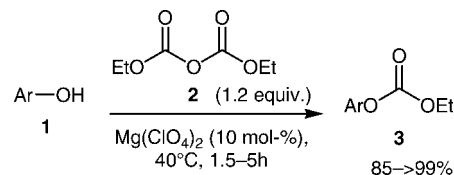
Keywords: Samarium diiodide / Styrene derivatives / Ketones / Electron transfer / Cyclooctanes / Medium-sized rings



4429 G. Bartoli, M. Bosco, A. Carlone,
M. Locatelli, E. Marcantoni, P. Melchiorre,
P. Palazzi, L. Sambri*

A New, Mild, General and Efficient Route to Aryl Ethyl Carbonates in Solvent-Free Conditions Promoted by Magnesium Perchlorate

Keywords: Alcohols / Alkyl aryl carbonates / Lewis acids / Perchlorates / Solvent-free conditions

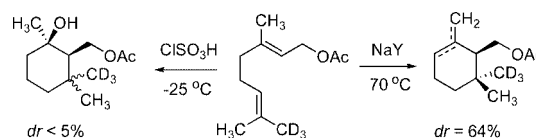


4435 C. Tsangarakis, M. Stratakis*



Stereoselective Disposition of the Geminal Dimethyl Group in the Cyclization of Geranyl Acetate under Zeolite Confinement Conditions

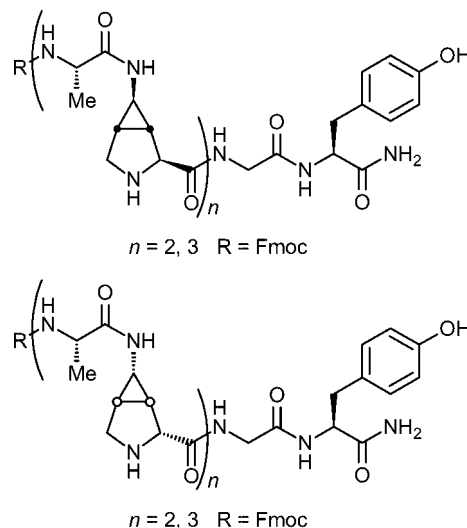
Keywords: Zeolites / Terpenes / Stereoselectivity / Catalysis / Cyclization



4440 F. Brackmann, N. Colombo, C. Cabrele,*
A. de Meijere*

An Improved Synthesis of 3,4-(Aminomethano)proline and Its Incorporation into Small Oligopeptides

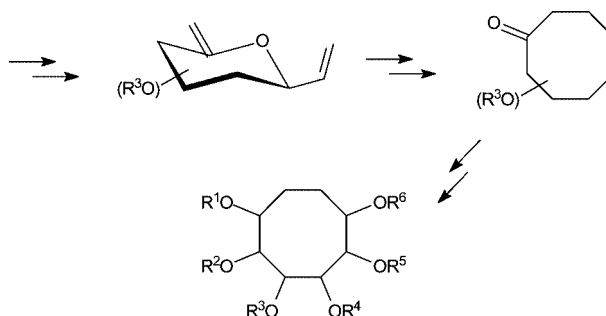
Keywords: Cyclopropanes / Amino acids / Small ring systems / Oligopeptides



4451 S. Jürs, B. Werschkun, J. Thiem*

Claisen Rearrangement of Carbohydrate-Derived Precursors Towards Highly Functionalized Cyclooctenones with L-xylo, D-arabino and L-lyxo Configuration and Their Diastereoselective Transformations

Keywords: Claisen rearrangement / Allyl vinyl ethers / Carbohydrates / Carbocycles / Mimetics

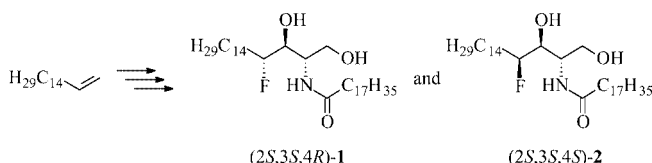


4463 J. Oldendorf, G. Haufe*



Synthesis of Both Enantiomers of Diastereomeric 4-Fluoro-4,5-Dihydroceramides

Keywords: Ceramides / Dihydroxylation / Enantioselective synthesis / Fluorine / Sphingolipids

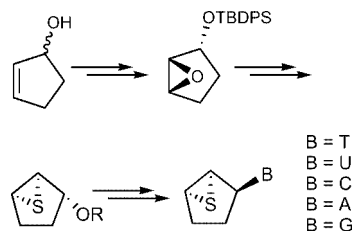


4473 E. Elhalem, M. J. Comin, J. B. Rodriguez*



Synthesis of Conformationally Locked Carbocyclic Nucleosides Built on a Thiabicyclo[3.1.0]-hexane System as a Pseudosugar Surrogate

Keywords: 6-Thiabicyclo[3.1.0]hexane / Thiiranes / 2',3'-Dideoxynepanocin C / Nucleosides / Carbanucleosides

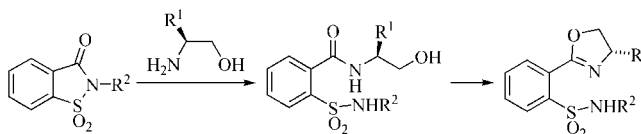


4483 R. I. Robinson, R. Fryatt, C. Wilson, S. Woodward*



Sulfonamide Ligands Attained Through Opening of Saccharin Derivatives

Keywords: Molecular diversity / Amino alcohols / Sulfonamides / Sulfonic acids / N,O ligands / X-ray analysis

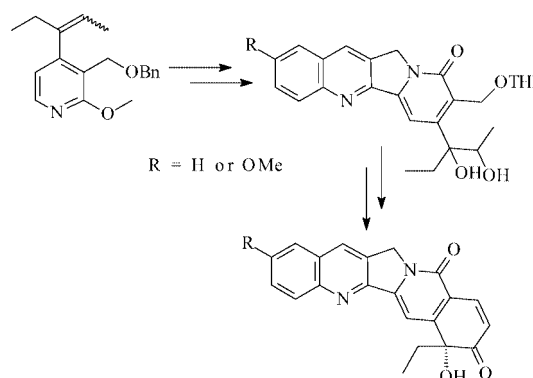


4490 V. A. Bacherikov, T.-J. Tsai, J.-Y. Chang, T.-C. Chou, R.-Z. Lee, T.-L. Su*



Synthesis of New Camptothecin Analogues with the E-Lactone Ring Replaced by α,β -Cyclohexenone

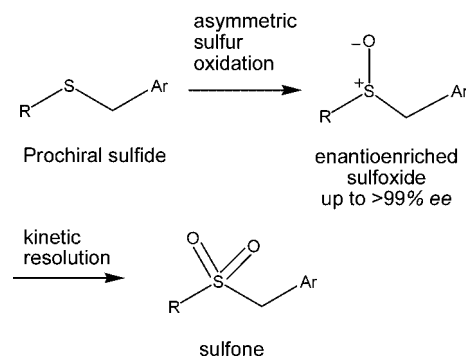
Keywords: Antitumor agents / Drug design / Alkaloids / Heterocycles / Aldol reactions / Dihydroxylation



4500 P. Kelly, S. E. Lawrence, A. R. Maguire*

Asymmetric Synthesis of Aryl Benzyl Sulfoxides by Vanadium-Catalysed Oxidation: A Combination of Enantioselective Sulfide Oxidation and Kinetic Resolution in Sulfoxide Oxidation

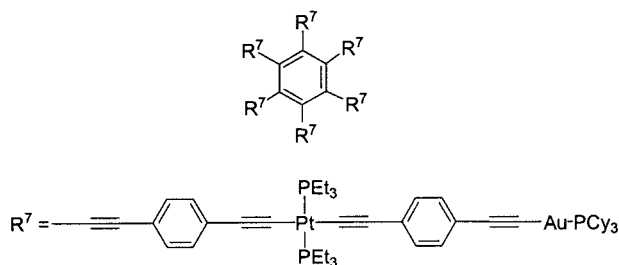
Keywords: Asymmetric catalysis / Oxidation / Enantioselectivity / Kinetic resolution / Sulfoxides



4510 C.-C. Huang, Y.-C. Lin,* P.-Y. Lin, Y.-J. Chen

Star-Shaped Molecules Containing Polyalkynyl Groups with Metal Moieties on Benzene and Triphenylene Cores

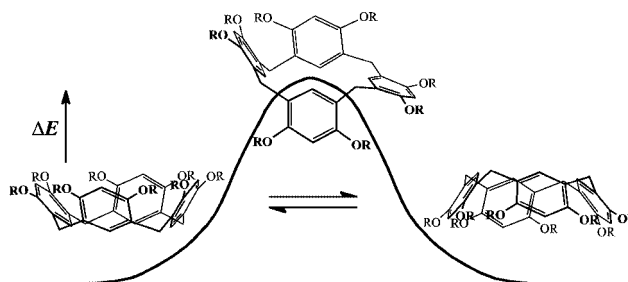
Keywords: Alkynes / Palladium / Platinum / Gold / Heterometallic complexes / Luminescence



4519 H. Dvořáková,* J. Štursa, M. Čajan,*
J. Moravcová

Synthesis and Conformational Properties of Partially Alkylated Methylene-Bridged Resorc[4]arenes – Study of the “*Flip-Flop*” Inversion

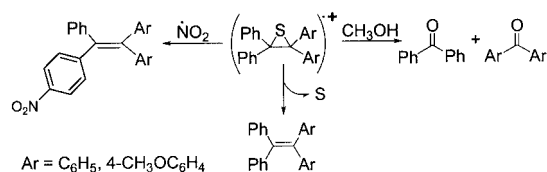
Keywords: Conformation analysis / Density functional theory / Partially alkylated resorc[4]arene / Transition state



4528 M. Puiatti, J. E. Argüello, A. B. Peñeñory*

Photochemical Electron-Transfer Generation of Arylthiirane Radical Cations with Tetranitromethane and Chloranil – Some Novel Observations

Keywords: Thiirane / Radicals / Photoinduced electron transfer / Nitration / Oxidative cleavage / Photochemistry



CORRECTION

4537 S. Fiorentini, B. Floris,* P. Galloni,*
F. Grepioni, M. Polito, P. Tagliatesta*

The Metal-Catalyzed Cyclotrimerization of Ferrocenylethyne – Preparation and Characterization of 1,2,4-Triferrocenylbenzene

Keywords: Ferrocenylethyne / Cyclotrimerization / Metal porphyrins / Cobaltocene



**Fast, Individual, Popular...
REPRINTS
Available to order anytime!**
Contact Carmen Leitner (e-mail: cleitner@wiley-vch.de)